```
(FILE 'HOME' ENTERED AT 11:11:20 ON 24 SEP 2003)

    FILE 'REGISTRY' ENTERED AT 11:11:46 ON 24 SEP 2003
L1          65 S BENZENETETRACARBOXYLIC(W)DIANHYDRIDE
L2           6 S 2(W)PHENYL(W)4(W)METHYLIMIDAZOLE
L3           0 S S 89-32-7/CRN
L4        6856 S 89-32-7/CRN
L5          25 S 827-43-0/CRN
L6           1 S L4 AND L5

    FILE 'CAPLUS' ENTERED AT 11:15:41 ON 24 SEP 2003
L7           1 S 574014-29-2#/RN
```
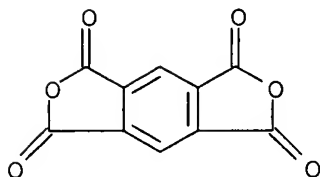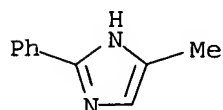
```
RN     89-32-7  REGISTRY
CN     1H,3H-Benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN     1,2,4,5-Benzenetetracarboxylic 1,2:4,5-dianhydride (8CI)
CN     Pyromellitic 1,2:4,5-dianhydride (6CI)
OTHER NAMES:
CN     1,2,4,5-Benzenetetracarboxylic acid 1,2:4,5-dianhydride
CN     1,2,4,5-Benzenetetracarboxylic acid dianhydride
CN     1,2:4,5-Benzenetetracarboxylic dianhydride
CN     NSC 4798
CN     PMDA
CN     Pyromellitic acid anhydride
CN     Pyromellitic acid dianhydride
CN     Pyromellitic anhydride
CN     Pyromellitic dianhydride
FS     3D CONCORD
DR     159104-96-8
MF     C10 H2 O6
CI     COM
LC     STN Files:   AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
          CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST,
          CIN, CSCHEM, CSNB, DETHERM*, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
          ENCOMPPAT2, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS,
          NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT,
          USPAT2, USPATFULL
             (*File contains numerically searchable property data)
       Other Sources:   DSL**, EINECS**, TSCA**
             (**Enter CHEMLIST File for up-to-date regulatory information)
```



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            2728 REFERENCES IN FILE CA (1907 TO DATE)
             514 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            2732 REFERENCES IN FILE CAPLUS (1907 TO DATE)
             144 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
```

```
RN    827-43-0  REGISTRY
CN    1H-Imidazole, 4-methyl-2-phenyl- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    Imidazole, 4(or 5)-methyl-2-phenyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN    2-Phenyl-4-methylimidazole
CN    2P4MZ
CN    4-Methyl-2-phenylimidazole
CN    Curezol 2P4MZ
FS    3D CONCORD
MF    C10 H10 N2
CI    COM
LC    STN Files:   BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
         CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL
            (*File contains numerically searchable property data)
      Other Sources:   EINECS**, NDSL**, TSCA**
            (**Enter CHEMLIST File for up-to-date regulatory information)
```



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

         156 REFERENCES IN FILE CA (1907 TO DATE)
           9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
         159 REFERENCES IN FILE CAPLUS (1907 TO DATE)
           4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
```
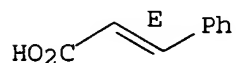
```
RN    140-10-3   REGISTRY
CN    2-Propenoic acid, 3-phenyl-, (2E)- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    2-Propenoic acid, 3-phenyl-, (E)-
CN    Cinnamic acid, (E)- (8CI)
OTHER NAMES:
CN    (E)-3-Phenylacrylic acid
CN    (E)-3-Phenylprop-2-enoic acid
CN    (E)-Cinnamic acid
CN    NSC 44010
CN    trans-.beta.-Carboxystyrene
CN    trans-3-Phenyl-2-propenoic acid
CN    trans-3-Phenylacrylic acid
CN    trans-Cinnamic acid
FS    STEREOSEARCH
MF    C9 H8 O2
CI    COM
LC    STN Files:   AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
         CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
         CSCHEM, DETHERM*, DIPPR*, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA,
         MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER,
         USPAT2, USPATFULL
            (*File contains numerically searchable property data)
         Other Sources:   DSL**, EINECS**, TSCA**
            (**Enter CHEMLIST File for up-to-date regulatory information)
```

Double bond geometry as shown.

$$HO_2C \diagup\diagup^{E} Ph$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
        1445 REFERENCES IN FILE CA (1907 TO DATE)
          41 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        1448 REFERENCES IN FILE CAPLUS (1907 TO DATE)
           2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
```

WEST Search History 10/016,844

DATE: Wednesday, September 24, 2003

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
L19	((phenylmethylimidazole or methylphenylimidazole or (phenyl adj2 methylimidazole) or (methyl adj2 phenylimidazole) or (phenyl adj2 methyl adj2 imidazole) or (methyl adj2 phenyl adj2 imidazole)) near5 (anhydride or dianhydride))	1	L19
	DB=USPT,PGPB; PLUR=YES; OP=ADJ		
L18	l4 near5 (anhydride or dianhydride)	0	L18
L17	((523/$.ccls.) or (525/$.ccls.)) and l16	288	L17
L16	(l9 or l10) and l15	623	L16
L15	(dianhydride or anhydride) near5 (l4 or imidazole)	1551	L15
L14	l13 and ((523/$.ccls.) or (525/$.ccls.))	79	L14
L13	l11 and (microelectronic or electronic or semiconductor or (semi adj conductor) or ((integrated or printed) adj circuit))	516	L13
	DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
L12	(((((semi or partial$2) adj (cur?$ or harden$)) or semicur?$ or semiharden$ or (B adj stag?$)) and (bismaleimide or ((bis or di or poly) adj maleimide) or polymaleimide) and ((epox?$ near3 (resin$3 or novola?$1)) or diepox?$3 or polyepox?$3 or diglycidyl$ or polyglycidyl$ or epoxycyclohex??$))	17	L12
	DB=USPT,PGPB; PLUR=YES; OP=ADJ		
L11	l8 and l9 and l10	787	L11
L10	(epox?$ near3 (resin$3 or novola?$1)) or diepox?$3 or polyepox?$3 or diglycidyl$ or polyglycidyl$ or epoxycyclohex??$	106619	L10
L9	bismaleimide or ((bis or di or poly) adj maleimide) or polymaleimide	4855	L9
L8	((semi or partial$2) adj (cur?$ or harden$)) or semicur?$ or semiharden$ or (B adj stag?$)	16288	L8
	DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		

L7	(((benzenetetracarboxylic or pyromellitic) adj (anhydride or dianhydride)) near5 imidazole)	4	L7

DB=USPT,PGPB; PLUR=YES; OP=ADJ

L6	l3 near5 imidazole	15	L6

DB=USPT; PLUR=YES; OP=ADJ

L5	l3 near5 l4	0	L5
L4	phenylmethylimidazole or methylphenylimidazole or (phenyl adj2 methylimidazole) or (methyl adj2 phenylimidazole) or (phenyl adj2 methyl adj2 imidazole) or (methyl adj2 phenyl adj2 imidazole)	520	L4
L3	(benzenetetracarboxylic or pyromellitic) adj (anhydride or dianhydride)	5400	L3
L2	100629902.ap.	0	L2

DB=DWPI; PLUR=YES; OP=ADJ

L1	wo-2003064493-$.did.	0	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Wednesday, September 24, 2003

<u>Set Name</u> <u>Query</u> side by side		<u>Hit Count</u> <u>Set Name</u> result set	
DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L8	((dual adj (cure$1 or curing or harden$2 or hardening or crosslink$2 or (cross adj link$2) or crosslinking or (cross adj linking)))) and (semicure$1 or semicuring or semiharden$2 or semihardening or ((partial$2 or semi) adj (cure$1 or harden$2 or curing or hardening)) or (B adj (stage$1 or stageable)))	11	L8
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L7	l1 and l5 and (semiconductor or electronic or microelectronic or ((integrated or printed) adj circuit))	40	L7
L6	l2 and l5	31	L6
L5	semicure$1 or semicuring or semiharden$2 or semihardening or ((partial$2 or semi) adj (cure$1 or harden$2 or curing or hardening)) or (B adj (stage$1 or stageable))	15160	L5
L4	(((semi or partial$2) adj (cur?$ or harden$)) or semicur?$ or semiharden$ or (B adj stag?$)) and l2	31	L4
DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
L3	(dual adj (cure$1 or curing or harden$2 or hardening or crosslink$2 or (cross adj link$2) or crosslinking or (cross adj linking)))	149	L3
DB=USPT,PGPB; PLUR=YES; OP=ADJ			
L2	l1 and ((523/$.ccls.) or (525/$.ccls.))	242	L2
L1	dual adj (cure$1 or curing or harden$2 or hardening or crosslink$2 or (cross adj link$2) or crosslinking or (cross adj linking))	678	L1

END OF SEARCH HISTORY